

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Back Matter

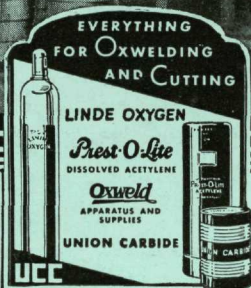
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OXWELDING— Short Cut to Production Economy

FOR automobiles and aircraft, for giant pressure tanks and tiny radio tube filaments, throughout the whole range of the metal working industries, oxy-acetylene welding is being adapted to production processes.

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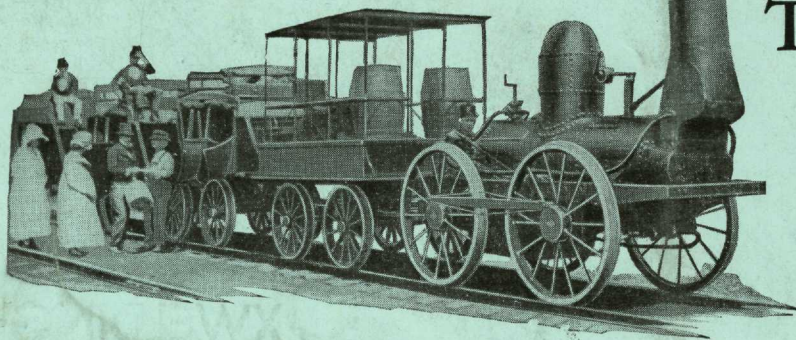
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51 Prest-O-Lite Acetylene Plants
175 Oxygen Warehouse Stocks



157 Acetylene Warehouse Stocks
43 Apparatus Warehouse Stocks
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A Century of Rail Transportation

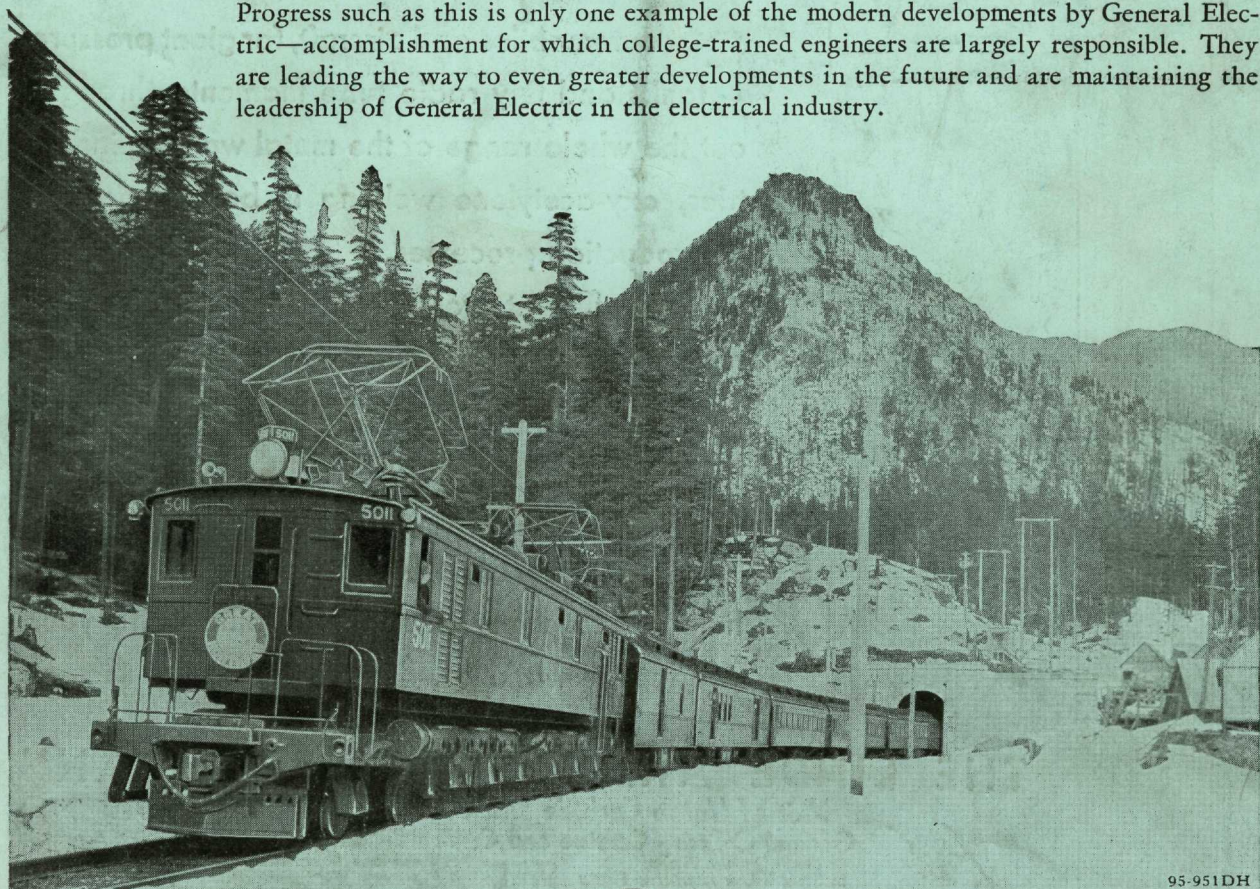


A RACE between the horse and the locomotive has started. The *De Witt Clinton*, that awesome "iron horse," is puffing and plodding away from Albany to Schenectady at the high rate of 22 miles per hour. The snorting monster, showering sparks and smoke all over its passengers,

frightens cattle and farmers' horses all along the way. The *De Witt Clinton* arrives in Schenectady, having covered the seventeen miles from Albany in 46 minutes. Trailing behind, seven horse-drawn coaches arrive a half-hour later. The horse has met its first reverse.

To-day, more than a century later, we see a mighty 260-ton General Electric locomotive of the Great Northern Railway as it emerges from the scenic west portal of the 8-mile Cascade tunnel in Washington. What a contrast to the quaint *De Witt Clinton*! This modern 3000-horsepower locomotive smoothly and swiftly pulls a thousand-ton train over the many grades of the Great Northern route.

Progress such as this is only one example of the modern developments by General Electric—accomplishment for which college-trained engineers are largely responsible. They are leading the way to even greater developments in the future and are maintaining the leadership of General Electric in the electrical industry.



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GENERAL ELECTRIC